



**Manual**

**Mixer**

**MXA 3500**

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## 1. Safety instructions



- Read the safety instructions and also this manual carefully.
- Keep the manual.
- Observe all red flags.
- Observe the manual.
- To prevent fire or electric shocks, protect the device against rain and humidity
- Pull the plug before opening the housing.
- To prevent an electric shock you should not remove the cover.
- Do not operate the device in the near of water.
- Use only a dry cloth for cleaning.

### 1.1. FOR SAFE AND EFFICIENT OPERATION

#### **Be careful with heat and extreme temperature**

Avoid exposing it to direct rays of the sun or near a heating appliance.

Not put it in a temperature bellow 32°F /0°C, or exceeding 104°F /35°C.

#### **To avoid placing on un-stable location**

Select a level and stable location to avoid vibration.

#### **Do not use chemicals or volatile liquids for cleaning**

Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt. Pull the plug before cleaning.

#### **If out of work, contact sales agency immediately**

Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

#### **Take care with the power cable**

Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug. When not using the device for an extended period of time, be sure to disconnect the plug from the receptacle.

#### **Ventilation**

It is not allowed cover fans and air in and outlets.

### **Safety**

Do not remove the grounding. It is for your safety. If you remove the grounding it can cause electric shocks.

### **Hearing**

To avoid hearing damages, you should not operate a sound system with high levels. This applies to monitor systems, which are in the near of the ear, headphones or IEMs also.

### **Accessory**

Please use only the accessory which is set by the manufacturer.

### **Important**

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems. Make sure the electrical connection is carried out by qualified personnel. All electrical and mechanical connections have to be carried out according to the European safety standards.

## **2. Introduction**

Thank you very much for buying this device. This device was developed for professional applications. Please read and keep this manual carefully.

### **2.1.1. Product features**

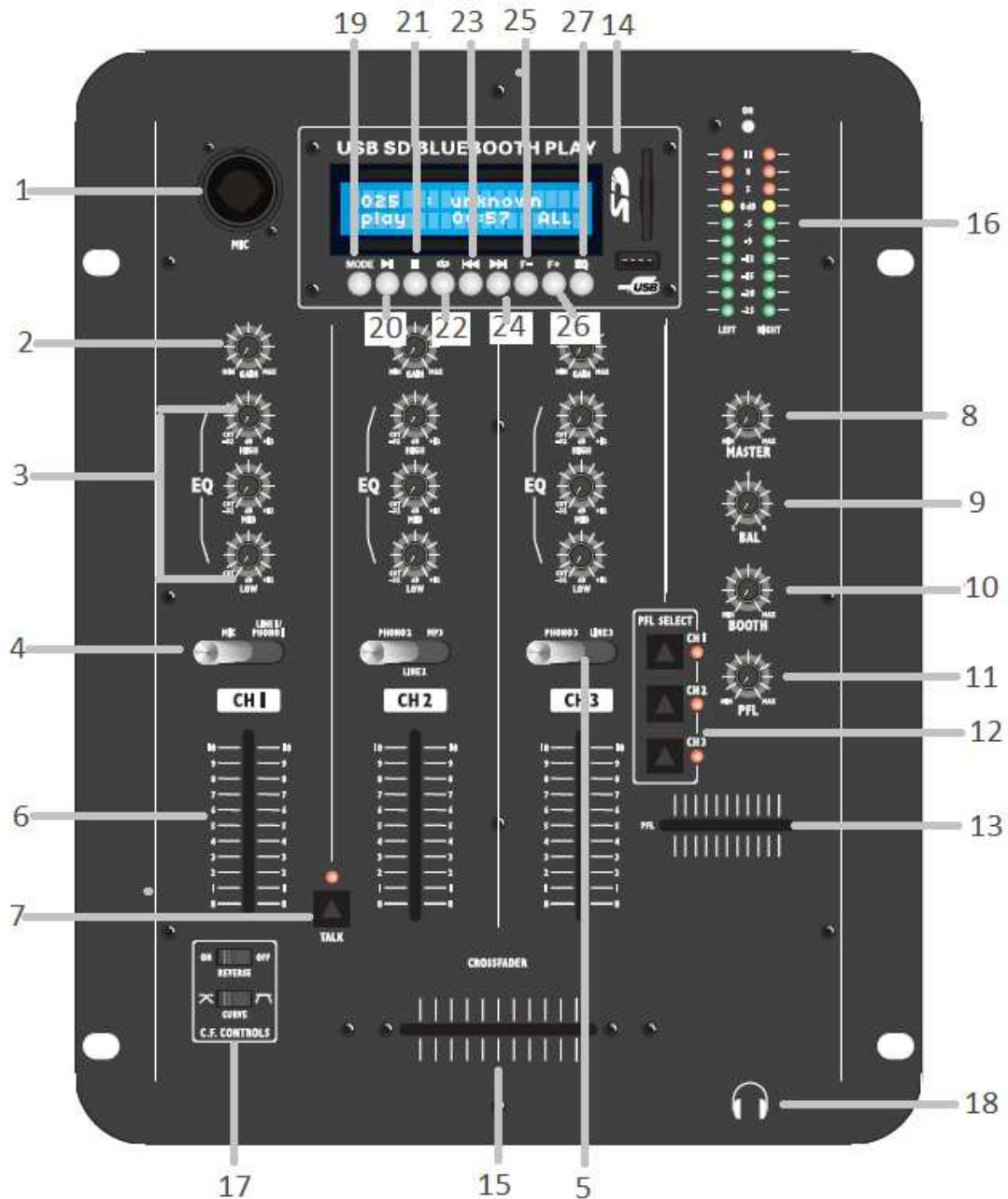
- 3 Channel mixer
- USB & SD Card Slots
- Bluetooth
- „Ultraglide“ Crossfader
- 3 stereo channels, Gain und 3-way-EQ (-32dB)
- 1 Mic Input
- manual talkover function
- Reverse and Curve function
- PFL
- Master, Booth, Tape und balanced XLR outputs
- Gold-plated RCA sockets for excellent audio quality

## 2.1.2. Specifications

<b>Audio Inputs</b>	
Mic 1	40dB Gain, elec, balanced Inputs
Phono 1, 2, 3	40dB Gain @1kHz, unbalanced input
Line 1, ,2, 3	0dB Gain, unbalanced Inputs
<b>Audio Outputs</b>	
Master	max. +21dBu @ +10db (Line in)
Booth	max. +21dBu @ +10db (Line in)
Tape	Type.0 dBu Phones
XLR Balanced	Type.125mΩ @ 1% THD
<b>Equalizer (+/- 8dB)</b>	
Stereo Low	+12dB/-32dB @ 50Hz
Stereo Mid	+12dB/-32dB @ 1,2Hz
Stereo High	+12dB/-32dB @ 10Hz
Mic Low	+12dB/-32dB @ 50Hz
Mic Mid	+12dB/-32dB @ 1,2Hz
Mic High	+12dB/-32dB @ 10Hz
<b>Talkover Button (Mic)</b>	<b>-16dB</b>
<b>Lamp (BNC)</b>	<b>12V/400mA</b>
<b>General</b>	
Signal-to-noise ratio	> 87dB (Line)
Crosstalk	> 70dB (Line)
Distortion	< 0,05%
Frequency	20Hz - 20kHz
Gain control range	-16dB to + 6dB

### 3. Controls/ Connections

#### 3.1. Front view



#### 1. MIC Input

Balanced XLR connector for dynamic microphones.

#### 2. Channel Gain

With this control you line up the input signal of each channel.

### **3. Equalizer**

Each channel has a 3-band-EQ (HIGH, MID, LOW)

This EQ enables an attenuation range from -32dB up to +12dB. You can use this for raising or lowering specific frequency ranges. Nevertheless the EQ is not for producing a higher volume. Set the EQ at low volume and then raise the gain up to the required volume. Consider the performance of your output system.

### **4. MIC/Line/Phono Switch**

With this switch you can choose your required signal source.

### **5. Phono/Line Switch**

On channel 2 and 3 you can choose between Phono and Line. You should use the Phono input for turntables. The Line input you can use for the other signal sources

### **6. Fader**

With this fader you can set the volume of the signal.

### **7. Talkover**

By pushing the TALK button, the signal of the other input channels is lowered, enabling your voice to be heard more clearly over the microphone.

### **8. Master**

It controls the volume of the master output.

### **9. BAL**

With this control you can set the balance.

### **10. Booth**

It controls the volume of the booth output. The booth output is mainly used as output for monitoring.

### **11. PFL**

With this control you can set the volume of the dialed PFL signal on headphones.

### **12. CH 1, 2, 3**

With this control you can select the required channel hearing on the headphones.

### **13. Master**

With this fader you can set the output volume.

### **14. USB/SD Card Slot**

USB and SD Card input slot. Left of it is the display which shows information about the titles

### **15. Crossfader**

It is for crossfading between the channels 2 and 3.

### **16. Level meter**

The high-precision level meter accurately displays the appropriate signal level. .

### **17. Curve/Reverse**

With this switch you can set the curve of crossfading. You also invert the direction of the Crossfader with the reverse switch.

**18. Headphones**

Here you can plug in headphones which should have a minimum impedance of 32Ω.

**19. Mode Key**

With this button you can choose between USB, SD Card and Bluetooth as signal source.

**20. Play/Pause Key**

With this button you can start or pause the playback.

**21. Master Fader**

With this fader you can control the output volume.

**22. Stop Key**

With this button you can stop the playback.

**23. Repeat Key**

Repeat of the titles.

**24. Previous Key**

Press this button to get to the previous track. Hold down to rewind.

**25. Next Key**

Press this button to get to the next track. Hold down for fast-forward

**26. Previous Folder Key**

Press this button to get to the previous folder.

**27. Next Folder Key**

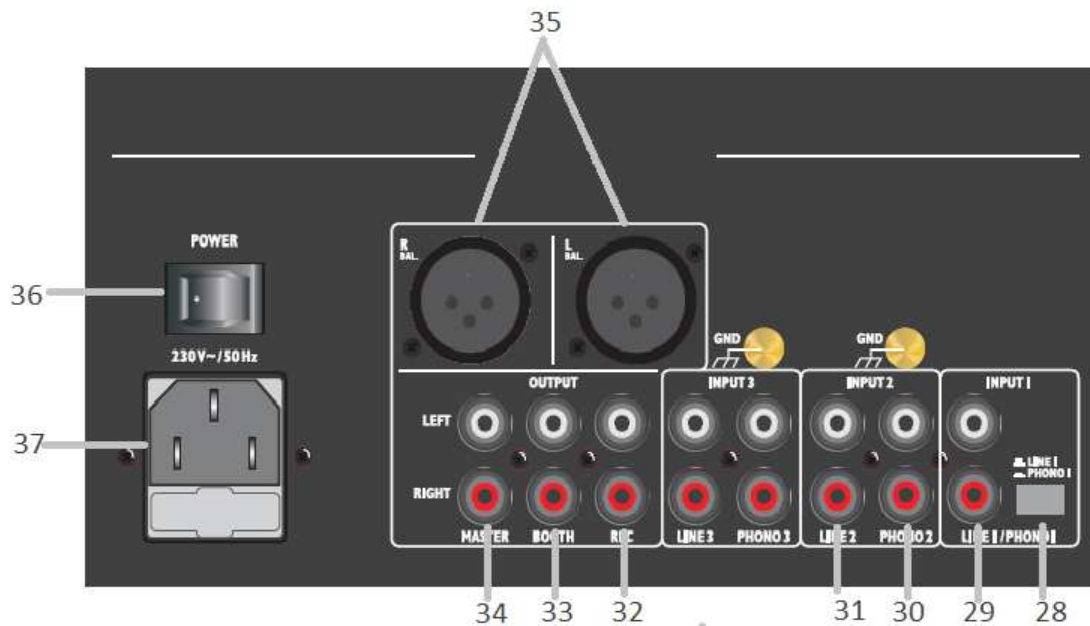
Press this button to get to the next folder.

**28. EQ Key**

With this button you can afford a different sound.



### 3.2. Back view



#### 29. Phone/Line Switch

With this button you can set if the signal source is a Line or a Phono signal. The selector switch at the front has to be set on Line/Phono.

#### 30. Input 1

Phono/Line input of channel 1.

#### 31. Phono 2

Phono input of channel 2.

#### 32. Line 2

Line input of channel 2.

#### 33. REC

Here you can link devices for recording, such as tape decks or DAT recorders. The output volume is fixed, making it necessary for you to adjust the input level on the recording device

#### 34. Booth

This output you can use for monitoring or even another area with sound.

#### 35. Master

The Master output is for connecting an amplifier and is adjusted using the master control.

#### 36. Power Switch

#### 37. Power supply

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